

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS D 1000 : 2009

(JSAE)

**Motorcycles—Engine test code—
Net power**

ICS 43.020; 43.140

Reference number : **JIS D 1000 : 2009 (E)**

D 1000 : 2009

Date of Establishment: 1982-10-15

Date of Revision: 2009-12-21

Date of Public Notice in Official Gazette: 2009-12-21

Investigated by: Japanese Industrial Standards Committee
Standards Board

JIS D 1000:2009, First English edition published in 2010-10

Translated and published by: Japanese Standards Association
4-1-24, Akasaka, Minato-ku, Tokyo, 107-8440 JAPAN

In the event of any doubts arising as to the contents,
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Printed in Japan

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Society of Automotive Engineers of Japan (JSAE) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS D 1000:1998** is replaced with this Standard.

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Motorcycles—Engine test code— Net power

Introduction

This Japanese Industrial Standard has been prepared based on the third edition of **ISO 4106** published in 2004 with some modifications of the technical contents to improve the convenience of standard utilization.

Annex JA of this Standard is the matters not given in the corresponding International Standard. The portions given sidelines or dotted underlines are the matters in which the contents of the original International Standard have been modified. A list of modifications with the explanations is given in Annex JB.

1 Scope

This Standard specifies the test methods of net power for verifying the performance of engines designed for motorcycles as defined in **JIS D 0109**. The test results shall be presented by the characteristic curves of the corrected net torque, the corrected net power and the specific fuel consumption at full load as a function of engine speed.

This Standard is applicable to reciprocating internal combustion engines (spark-ignition or compression-ignition) excluding free-piston engines and rotary piston engines. Engines shall be either naturally aspirated, or pressure charged and equipped with either mechanical pressure-charger or turbocharger.

Test conditions and the like specific to the compression-ignition engine shall be specified in Annex JA.

NOTE : The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 4106:2004 *Motorcycles—Engine test code—Net power* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) listed below shall be applied.

JIS B 0108-1 *Reciprocating internal combustion engines—Vocabulary—Part 1: Terms for engine design and operation*

NOTE : Corresponding International Standard: ISO 2710-1:2000 *Reciprocating internal combustion engines—Vocabulary—Part 1: Terms for engine design and operation* (IDT)

JIS B 8003 *Internal combustion engines—Determination and method for the measurement of engine power—General requirements*